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A SURVEY OF CIVILIAN OCCUPATIONAL ENALTH NURSES EMPLOYED

BY THE ARMY AS TO PREPARATION AND WHED

FOR SUPERVISORY ASSISTANCE

DTIC ELECTE APR 01 1994 F

By

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Submitted in Partial Fulfillment of Requirements
for the Master of Public Health Degree

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School of Public Health University of Minnesota 1961

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CHAPTER 1

IFFE COUCTION

Beckerouse

The Army of 1960 is wantly different from the Army of Pre-World War II. Prior to the war the standing Army was relatively small and provided with conventional type weapons and other equipment. The number of civilians employed to help support the Army in accomplishing its mission was correspondingly small. In comparison, the civilians required to support the modern Army with its increased mempower, highly complex weapons and equipment, member in the thousands (300,000).

Since early in World War II, the Army, by authority of Pablic Law 658, 79th Congress, has provided for its employees a service known as the Army Federal Civilian Employees' Health Service, also referred to as the Occupational Health Service of the Army. The purpose of the service, according to the law, is "to promote and maintain the physical and mental fitness of employees of the Federal Government." The law also states that this type of program will be limited to:

1. Prestment of em-the-job illness and dental conditions requiring emergency attention.

Army Regulation 40-957, Occupational Health Service of the Army, November, 1956, page. 26.

- 2. Procupleyment and other emminations.
- Referral of employees to private physicians and dentists.
 - 4. Prevention program relating to health. 1

The Army recognises, as have many civilian industries, that the application of preventive medicine principles and procedures promotes efficient utilisation and conservation of mapower. It has, therefore, since 1945, issued regulations granting the authority, and prescribing the scope and objectives of an occupational health service and outlining the precedure for accomplishing these objectives.

These objectives are!

To assure that personnel under Army jurisdiction are physically, mentally, and psychologically suited to their work; that their work environment is safe, hygienic, and wholesome; and that their physical and mental health and well-being are maintained throughout employment.²

The objectives are assemplished through the following functions:

- 1. Care and treatment of occupational illness or injury.
- 2. Emergency treatment of nonoccupational illness and injury, and if indicated, referral to the family physician or dantist.
 - 3. Proplacement emminations.
- 4. General health activities including periodic health examinations, mass chest x-ray, health education and immunisation

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²Did., pers. 3.

progresse,

- 5. Special preventive measures where hasardous environmental influences may be present.
- 6. Serveys and inspections as necessary so recommendations can be made to insure the central of possible health hazards and maintenance of hygicals conditions.²

To help carry out eccupational health programs, Army installations within the continental United States employ over two hundred civilian nurses to function in the capacity of eccupational health nurses. There is no reason, at present, to assume that there will be any decrease in the numbers so employed.

The only qualifications required by regulation for employment as a occupational health murse are that whenever possible civilian personnel will be used, and that the nurse be a, "registered graduate nurse."

Statement of Problem

Because of the wide variation in the type of industry conducted at installations, from those employing highly skilled technicians and ecientists to common laborers, there is a wide variation in pay scale, caliber of people employed and industrial hazards encountered.

The occupational health nurses employed by the Army work

libid., para. 6.

^{21314.}

Ibid., para, 7.

At present, there are no statistics compiled as to these nurses' academic backgrounds, qualifications or preparation for the field of occupational health mursing, or the type and amount of supervisory assistance they are receiving.

The problem of this study is concerned with the status of educational preparation of these civilian occupational health nurses, the scope of their functions, and whether they feel a need for assistance through mursing supervision.

Reason for selecting problem

Pilitary preventive medicine services are analogous to public health activities in a civilian community. They are not confined to the military alone, but include the entire population of the installation. And even as the public health nurse in the community is concerned with an effective industrial health nursing program as an element of the total public health nursing program, so too, her counterpart in the Assay can experience the came concern.

It was felt that if some information with respect to experience, accdemic preparation, type of supervision (if any) now
being received, and areas in which the occupational health nurses
feel assistance would be helpful, could be obtained from a representative sample, some plan for supervision or consultation service
might be devised.

Specific Chiestives

The objectives of this study are:

- 1. To determine academic background of the occupational nurse.
- 2. To determine the amount of experience in industrial mursing and/or other mursing experience.
- 3. To determine if the occupational nurse is responsible te a physician who is available full-time or part-time.
- 4. To determine if there is a plan for marsing supervision and the source of such supervision.
- 5. To determine if the occupational nurse feels nursing supervision would be helpful and by whom it should be given.
- 6. To determine for which aspects of her job the secupational nurse would find supervision especially helpful.

Score and Limitations

Army industrial installations employing a nurse in their industrial health programs. It is recognized that a complete survey of the two hundred and thirty nurses employed as occupational health nurses would be of great value. But, since a limitation of this study was necessary because of time, effort, and expense, it was thought that a survey of fifty-five nurses would be an adequate eample.

The Fifth United States Army was chosen because of its relatively large representation in the number of nurses employed and types of installations. It was also felt that it would be

easier to obtain security clearance for one Army area than for a gress-section of the six Army areas.

The study, because of security restrictions regarding the nature of the industry at certain installations, deals only with individual professional aspects of occupational health nursing.

It would have been desirable to have conducted this study by personal interview, but since distance and lack of time made this impossible a written questionnaire was sent to the fifty-five occupational health nurses employed at twenty-five Army industrial installations in the Fifth United States Army. Clearance for the questionnaire was obtained from the Fifth United States Army Surgeons' Office. 2

Method of Study

Questionnaires were sent to occupational health nurses without regard to the type of installation or to the number of nurses employed in this capacity at a given installation.

It would have been preferable to have used personal interviews rather than a mail questionnaire so that the individuals could have had the opportunity of expressing their opinions more freely and of giving additional information. However, this method was not as feasible because of the great distances involved.

The questionnaire was not pretested by any occupational

¹⁸ee Appendix, p. 35.

²See Appendix, p. 42.

health nurses because none were readily available. However, pretesting was done by two elasemates, and resulted in some changes in arrangement and wording which it is hoped improved the clarity of questions.

Problems Recountered

The greatest problem was to construct a questionnaire that would elicit the necessary information in areas that are extremely sensitive for many surses. Such areas are educational preparation and the need for supervisory service.

Another problem was limiting the survey to the information desired and avoiding any questions that might violate security restrictions.

As mentioned previously, a list of all installations in the Centinental United States employing civilian ecompational health nurses was obtained from the Surgeon Generals Office, Department of the Army. It would, no doubt, have been desirable to have had the names of individual nurses so that the question-naire could have been personalised to a greater extent.

Definitions of Terms Used in Study

Army Health Euros. —A graduate, registered nurse with preparation and experience in public health nursing. A commissioned officer of the Army Nurse Cerps, who functions in the military community in a similar manner as the public health nurse in a civilian community.

¹See Appendix, p. 15.

Proventive Medicing. — Traditionally, preventive medicine has meant to anticipate and halt disease before it starts. In medern usage preventive medicine also includes preventing and minimizing damage and disability when disease or injury itself cannot be prevented.

<u>Public Health</u>. -- The application of preventive medicine to communities or populations through organised group effort.

The public health programs in the military are usually referred to as "the proventive medicine service." They may be considered comparable to an official public health agency in a civilian community.

<u>Installation</u>.--Land and improvements thereon, under the control of the Department of the Army, at which functions of the Department of the Army are carried on (posts, campe, hospitals, depets, arsenals, etc.)

Army Industrial Installation.—Any installation of the Department of the Army primarily used in connection with the production of material, munitions, or supplies. As used in study refers to any installation employing occupational health nurses.²

<u>Civilian Paraigian.</u>—A sivilian medical doctor appointed either as a centract surgeon or in as appropriate Civil Service grade.

Occupational Health Nurse .- A professional, registered

Pepartment of the Army Pamphlet No. 210-1, <u>United States</u>
Army Installations and Najor Activities in the Continential
<u>United States</u>, (May, 1960).

²IMd.

nurse employed by the Army, who is responsible for the development, interpretation and administration of the nursing service of an ecompational health program at an Army industrial installation.

CHAPTER II

BEVIEW OF LITERATURE

There apparently have been no studies done or any specific material written relating to academic proparation or supervisory assistance with respect to the civilian merses employed by Army industrial installations. However, much of the literature pertaining to occupational health mercing in civilian industry in those two respects would, no doubt, be paralleled by the Army civilian eccupational nurses. Certainly the academic proparation presently offered and contemplated for the future will have implications for the Army occupational health program.

The Ayry offers no long-term education for civilian compational health hard been given by the U.S. Army Environmental Eygiene Agency at the Army Medical Center, Maryland. However, these courses are designed to be of accistance to redical efficers with little formal training in occupational medicine. In the last two courses, four to five nurses (military and civilian) participated as students. The last course given in January, 1961, included a presentation on "The Role and Functions of the Euros in Compational Health Programs." It is interesting to note that these surses, in their critique comments, have been enthusiastic about the courses

on the whole and have recommended that more information be included on nursing aspects of eccupational health.

Such comments my well indicate that these nurses feel the need for additional preparation and help in the field of correstional health.

Smith in a survey on "Cosupational Health Integration in the Tale University School of Warring," states:

Some nurses have been very successful in transferring their knewledge of basic nursing principles to the occupational health field; others feel very insecure in an industrial environment.

The further states that a nurse working in industry finds that she is no longer giving bedeide nursing care but emergency care, and that her work emphasis is in the field of preventive medicine; accident control, occupational diseases, and health education. She finds that objectives and policies of an industrial erganization are different from these of a hespital, and that a new set of relationships exist for her as a member of a medical department in an industrial environment.

In reviewing the literature, it was found that most nurse educators think that occupational health nurses should have preparation for staff level responsibility. Other positions, particularly occupational health nursing administrators, supervisors

¹ See Appendix, p. 47

² Rully M. Smith, Occupational Realth Integration in The Yele School of Murging (New York: Mational League of Fursing Educational, 1952), p. 5.

Dir.

and mursing consultants need advanced proparation. But most unrece new in the occupational health field have had to accept the respensibility of applying public health principles and adopting nursing practices to meet the needs of the workers without benefit of special proparation because so little was known about their functions, 1

The lack of additional preparation in approved public health nursing programs is well decumented in a recent report. The report showed that of the total number of registered nurses (13,061) employed full-time in industry, only 123 held baccalaureate degrees in approved public health nursing preparation, 629 had less than thirty hours, ninety-seven held baccalaureate degrees in nursing and 5,965 had no university credits in any field. We information was available from 4,815 nurses.²

During the past few years, eccepational health mursing has become a specialty that can be defined.

Occupational health nursing is the application of nursing and public health procedures for the purpose of conserving, promoting and restoring the health of individuals and groups through their places of employment.

As a result of such definitions and elarification of the occupational nursing field considerable emphasis has been given to the integration of occupational health nursing in basic gregrams.

Mary Louise Brown, <u>Opennational Health Bureing</u> (New York: Springer Publishing Company, Inc., 1956), p. vii.

Bu.S. Department of Health, Education, and Velfare, Public Health Service, Marses in Public Health, 1960, p. 43.

³⁹rown, les, elt., p. 15.

In James, 1956, a request from nurse educators and industrial nurses, as well as an increasing demand for prepared occupational health nurses, led to the development of a "Ouide for Evaluating and Teaching Occupational Health Nursing Concepts" by the National League for Nursing. The guide suggests methods for including occupational health in the basic curriculum.

Two years later, a curvey made in Texas attempted to obtain information concerning the kind and amount of erientation to eccupational health nursing that schools of nursing were giving their students. In answer to the four questions that were asked in eirteen schools, it was found:

1. That occupational health is integrated in varying degrees into marsing education programs.

2. That a varying amount of consideration is being given in the basic curriculum principles of administration, public relations, and economics, mostly as these apply to nursing.

nursing.

3. That there is only a relatively small handful of qualified persons available to teach occupational health to nurses—this includes both faculty members and industrial nurse practitioner.

4. That only a very few occupational health in-plant programs have been identified for educational or affili-

ation purposes.

These findings point out the tremendous amount of work yet to be done before integration of occupational health in the basis corriculum is accomplished.

It would seem that the most serious drawback to accomplishing

Instinct League for Furning, Quide for Implies and Teaching Communicational Health Furning Concerns (League Exchange No. 24, New York: The League, 1957).

² Mina New Klutes, "A Guide that Leads to a Goal," Murting Outlook, Vol. VII. (September, 1959), p. 9.

this integration is qualified instructors. And yet an experienced instructor in every collegiate school is hardly feasible at present. An important step formers would be to give all faculty numbers an intensive orientation to occupational health as it relates to their respective clinical fields, as well as propering selected industrial numbers to work with schools.

Tale University has effered an eccepational health program leading to a Master's degree, however, it is the author's understanding that this program has recently been discentinued. A program in eccepational health mursing at the Master's level is in the process of being developed at the University of Washington School of Mursing. This may help in meeting the need for qualified nursing personnel in teaching and positions of key responsibility.

Functions, Standards and Qualifications for Occupational Health Murses have been formulated by the Occupational Health Surses' Section of the American Nurses' Association. This body suggests that it is advisable for nurses, especially these employed alone in the "one-nurse" service, to have additional preparation for occupational health nursing; such as university courses in eccupational health nursing, public health nursing, and related fields.

The functions and standards described spell out the role of the nurse in a one-surse service, but the material is fundamental to any type of eccupational health program. It was the intent of the American Furses' Association to have the statement on Functions,

This.

Standards and Qualifications, "represent a reasonable balance between present practice and emerging patterns in accupational health."

Many times the sures is the only prefessional health worker in the industry employing her. As yet no realistic formula has been devised to estimate the number of sures moded to staff an occupational health department in industry. One author suggests a formula of eight hours of coverage per week for each hundred workers, as a minimum number of surses meeded to staff a secupational health program.² Thus, industry employing five hundred workers would require forty hours of sureing time. The fact that ever minety-mine per cent of all work establishments in the United States, employing ever seventy per cent of all verkers, have less than five hundred employees,³ so doubt, accounts for so many surses working alone in industry.

Of the 4,330 industries employing surses as of January, 1960, only 973 had nurses employed in positions of administration and supervision. These figures plus the lack of special preparation among surses employed in industry indicate an obvious need for supervisory assistance and/or consultative corvice. One sursing authority in the field of occupational health has said, "Furses

^{**}Coorpotional Mealth Nurses' Section, American Surses' Association, Functions, Standards and Qualifications for Occupational Health Surses (New York: American Surses' Association, 1955), pp. 1-14.

²brown, <u>les. elt.</u>, p. 132.

³U.S. Department of Health, Minenties, and Welfare, Public Health Service, The Level Health Officer in Communicational Health (Washington: U.S. Severment Frinting Office, 1959), p. 79.

should always be given supervision in nursing by surses. *1 The escapational health surse should be able to turn to a consultant of supervisor for help and guidance on nursing natters.

The nursing consultant or supervisor should be a registered prefessional nurse whose knowledge, experience, preparation, personality, and perference qualify her to give guidance, leader-ship and service. 2 Consultant resources in occupational health nursing are available in some instances to those nurses needing such certice. There are two compational nursing consultants in the U.S. Public Health Service and thirty-eight state and municipal health agencies employ consultant nurses in this field. The Hatienal League for Nursing retains a consultant on a part-time basis, and hopes to provide a full-time verker and expanded services in the near future. Even some voluntary agencies employ such consultants. The American Heart Association, for example, employs a surse consultant with special preparation in occupational health, 3

Consultant activities are designed to assist the nurse in evaluating the nursing program, to bring to the nurse a broader concept of her program, to promote the establishment and improvement of occupational preventive medical programs by nurses where there is medical supervision. The consultant is active in

Brom, les. cit., p. 11.

²From, <u>les. eit</u>., p. 11.

Reide L. Menrikson, "A Memorandum to Professional Nursing from Plant Nurses," <u>Furning Outlank</u>, Vol. VIII (Nevember, 1960), pp. 612-613.

premoting educational expertunities for the industrial zurse. The improves by group activities or other means, the professional skill, understanding, and competence of the industrial zurse.

One author raises some interesting questions in reference to advisory resources: what appraisal has been made of the adequacy of consultative personnel in relation to the growing number of occupational health nurses? What factual data and supportive materials have been propared for the administrator who must justify to the budget director the development of continuation of consultative service? What efforts have been made to provide advisory service for occupational health nurses, where none is available? These questions and many others represent that many occupational health nurses have identified as unnot needs.²

At the present time the Army does not employ a marsing consultant in the field of eccupational health. Although the Army has approximately eighty Army health nurses in the Army Furse Cerps, they do not function as eccupational health nurse, and, to the authors knowledge, they do not usually function in a consultative especity to the civilian eccupational health nurses. Some installations employing more than one civilian eccupational health nurses may have a senior nurse acting as a director or supervisor.

The Local Health Officer in Cocupational Health, les. cit., p. 36.

²Henriksen, <u>les. cii.</u>, p. 613.

CHAPTER III

ARALYMS OF PINTEROS

Questionnaires were sent to eccupational health surses at fifty-five Army installations within the Fifth United States Army Area. Forty-one or seventy-five per cent completed questionnaires were returned. Two installations, Fitssiamons Seneral Hospital, Danver, Golerado and Fort Loonard Wood, Missouri, reported by letter that these installations did not employ eccupational health surses. This was an apparent error in the master list. Only fifty-three occupational surses are actually employed in the Fifth Army Area; on this basis seventy-coven per cent of the surses returned the questionnaires. The information obtained from the respondents will be grouped under the study objectives.

Chierity 1, -- To determine academic background of the coougational health nurse.

Table 1 shows that the majority of nurses employed, 97.5 per cent, are graduates of a three year diploma school. Only one nurse has a basealoureste degree, and this degree is in philosophy. Hence of the respondents have basealoureste or graduate degrees in nursing or public health.

Tables 2 and 3 illustrate that of the ferty surses graduated from the three year diplome schools, fourteen or thirty-five per cent have additional college credit hours seven have less than thirty conceter hours, and three have thirty or more semester credit hours. Only four have obtained credit hours in nursing programs approved by the Matienal Longue for Fureing. We college credits have been carned by sixty-five per cent of this group of compational health nurses; this figure can be compared with forty-six per cent for surses in industry on a national level, 1

TABLE 1

MUCATIONAL LEVEL ATTAINED

The Control of A. September 1990 and the Control of		
Level	Number of Nurses	Percentage of Nurses
Three year diploma school	40	97.5
Baccalaureate degree in nursing		
Bascalaureate degreeether	1	2.5
Graduate degree		~-
fotal	41	••

TABLE 2
THREE TRAN BIPLOMA SCHOOL PLUS ABBITIONAL CREDIT NOURS

Level	Number of Nurses	Percentage of Ferces
Three year caly	1 ³ 4	65 35
Total	140	••

U.S., Department of Health, Education, and Welfare, Public Health Service, Marses in Public Health, 1960, p. 43.

TABLE 3
THREE THAN DEPLOMA SCHOOL PLUS AMDITIONAL GRADIT HOURS

Credit Neurs	Y.L.Y, Approved	Not Approved	
	Number of Nurses	Funber of Furses	
Lose than thirty	7 3	3 1	
Total.,.,.,.	10	l4	

Objective 2, -- To determine the amount of experience in occupational health nursing and/or other nursing experience.

The majority of marses, as shown in Table 4, have had less than five years experience in the field of civilian occupational health, and most of the nurses have been employed by the Army for less than ten years as occupational health nurses.

All respondents have had graduate nursing experience in hospitals, mainly as staff nurses and head nurses. A limited number, seven, have held positions in supervision and teaching.

Six or less than fifteen per cent of the nurses have had any public health nursing experience. This experience was limited to less than five years for four of the six nurses, and only sme had held the position of supervisor in public health nursing.

Other sureing experience included private duty, tuberculosis nursing, military sursing and one who had traveled for a baby clothing company as a counseler to methers regarding layettes. This respondent

stated that the latter was, "a lenesone jeb."

TABLE 4
LIMOTE OF TIME IMPLOTED IN CIVILIAN FIELD OF
OCCUPATIONAL MEALER MODERNS

Years										Fares		
										Funbar	Percentage	
0	•	•	•	•	•	•	•	•		16 16 16	39.2 2.4 39.2 9.7 4.8 4.8	
1	, t	1	٠	•	•	•	•	•		41	••	

TABLE 5
LENGTH OF TIME EXPLOYED BY THE ARMY AS
OCCUPATIONAL MEALTH BURSE

Years	Parses		
	Humber	Percentage	
1 or less	1 17 18 10 5	2 17 14,6 23.3 12	
Total	41	••	

Chiective 3 .-- To determine if the compational health nurse

is responsible to a physician who is employed full-time or parttime.

All the surses were responsible to either an Army medical officer or a civilian physician. As Table 6 indicates, twelve eivilian physicians are employed full-time and six part-time, and Table 7 shows the availability of the part-time physician. Of those physicians employed part-time, all but one was accessible by telephone when not at the installation.

TABLE 6
INSTALLATIONS EXPLAITES CIVILIAN PRINCIAN

Civilian Physician	Samber	Percentage
Pall-time	75 75	66.6
Total	18	••

TABLE 7

NUMBER OF DAYS PARE-FINE PHYSICIAN INCPLOYED PER VIEW

D	Baye H							Number of Physicians
1	of	•	1	.	B G	•		•
	•							1
3	•			•	٠	•	•	•
								3
5	•	•		٠	•	•	٠	2
			Ŧ	e 1	al	١.		6

It was interesting to note that twenty-three installations

utilised Army medical efficers, and in some instances both Army and civilian physician were verking in the industrial health pregram. In the tabulation, wherever an Army medical efficer was assigned, he was listed as the physician to when the mures was responsible. At twenty-three installations the escapational health weree is responsible to an Army medical efficer and at eighteen installations to a civilian physician.

Table 5 shows that seventy-eight per sent of the installations have standing orders available for the guidance of the nurse.

TABLE S STAFFERS CREEKS

Standing Orders	Sumber of Installations	Percentage of Installations
Available	32 9	75 21,9
Total	41	••

In the majority of installations, 95,3 per cent, the standing orders are signed by a physician, and in seventy-five per cent of the installations they are revised yearly. In only one installation where an Army medical efficer was utilised in the occupational health program were the standing orders not signed.

Objective h. .- To determine if there is a plan for sursing supervision.

of the ecoupational health nurses, but supervision is received by ferty-six per cent from ecoupational health nurse (senior nurse) employed at the installation by the Army. This type of supervision occurs in these installations where more than one nurse is employed. With reference to Table 3, it is doubtful that these nurses rendering supervision have had the necessary preparation to qualify them for supervision.

Table 9 also illustrates that some expervision is given to the occupational health nurses by Army Chief Murses, but this does not appear to be a very constant type of supervision. Of the four nurses receiving supervision from this source, only one installation reported weekly visits from a Chief Murse. One installation received a visit from a Chief Murse once in ten years.

TABLE 9
SOURCE OF WERSING SUPERVISION

Source of Supervision	8	Percentage of Nurses
Hene	18	43.9 /
Chief Hurse dispensary hospital area		9.7
omployed by Army	19	46
Total	42	• •

•

empervision from a Chief Furse, five eccupational health nurses said the Chief Furse was not available to them by telephone, and four Chief Furses were available by telephone.

Objective 5.—To determine if the occupational health murse feels marring expervision would be helpful and by whom it should be given.

TABLE 10
DESCRIPTION SUPPRYLEGY SHEVIOR

Supervision										Funber	Percentage				
Yes No.		٠	•	,	•	•		•		•	•	•	•	11 18 12	26.8 43.9
			7	o	ta	NI.	•	•	•	•	•	•	•	42	

As the above table indicates, the majority of eccupational nurses seemed to desire no nursing supervisory service. The rest of the nurses were divided between a desire for such service and not being sure such a service would be helpful.

As to the source of such marsing supervisory service, Table 11 shows that most of the marses did not respond to this question. The majority of those responding desired such service from the Ayay health nurse. Your occupational health nurses who previously had indicated that no supervisory service was desired responded to this question.

PARTE 11

BESTERN SOURCE OF SUPERVISION SERVICE

Source	Tamber	Percentage
Army health surse Other source - civilian	13 2 26	31.7 4.8 63.8
Total	¥Х	••

Three nurses wrete in comments after checking Army health nurse as a desired source of supervision. One nurse stated, "but not if it is a police action." Another wrote "civilian but not Army," and the third wrote, "If she is like a public health nurse,"

It might, no doubt, have been less threatening to these nurses if the writer had used the term consultation service rather than supervisory service, for the word supervisory has connotations of authority for some nurses. This may employ why the greatest number of respondents were not sure or desired no supervisory service.

Also in this connection, it might have been helpful to have defined the term Army health murse in the cover letter. That 31.7 per cent indicated the Army health murse as a desired source of supervisory service may be due to the fact that the questionnaire was sent out by an Army health murse.

Only eight nurses out of a total of forty-one occupational health nurses reparted that they had had some contact with a state

or municipal occupational health nursing consultant. These came eight nurses were the only once the know whether the state or local government had such a consultant available.

Chiestive 6.—To determine for which aspect of her job the competional health sures would find supervision especially help-ful.

Caly eighteen murses responded to the request that they reak the functions where supervision would be most helpful. Thank 1, illustrates that administering emergency treatment ranks first as the area where help could be most used. This may indicate a lack of experience in emergency treatment in provious nursing situations. It may also be possible that the standing orders de not give adequate directions as to the type of treatment to be given, and that no emergency treatment procedural manual is available.

Prevention and centrel of injuries, ecoupational hazards and safety education was the second function that the occupational health mures apparently felt insecure about. This possibly reflects the lack of academic preparation in the field of public health and occupational health.

The ranking of maintenance of records and reports as the third function where help would be desirable is semewhat surprising to the writer. The "Occupational Health Service Guide," issued by the Ayay Environmental Health Laboratory in 1956, has a section on the medical file and reporting procedure which is quite explicit. Samples of standard forms to be used plus instructions

on using each form also are given. It is always a possibility that sees installations may have local forms to supplement those required by the Ayny and Sivil Service, and that these nurses may not have received adequate instruction in their use. Of source, it is possible also that the surses may have been indicating a need for clerical help in this area rather than sursing supervisory help.

Help in participation in the selection of supplies, equipment, reference books and literature was ranked fourth by two murses. It is possible that some difficulty is encountered in the requisition of supplies and equipment if the surse is unfamiliar with current supply policies and procedures of the Army Medical Service. Also if the surse feels at all insecure about emergency treatment, she may not be too certain about the type of supplies and equipment needed.

Health examinations and inspections were ranked fifth in importance. This may well indicate that no medical policy exists with respect to the health evaluation program spelling out the responsibility the surse is to earry. Specific procedures, such as vision and hearing testing, may pose problems if the surse is unsure about how to operate the necessary devices, and does not knew where to seek instruction in their use.

Considering that health counseling is considered by most authorities to be one of the most important health services carried on in compational health, it is surprising to find it ranked in last place. Is it possible that the majority of surses do not think

of health counseling as one of their functions? The writer realized however, that a nurse may avoid thinking of this as one of her functions if she lacks preparation and understanding of the principles of personality development and the fundamentals of interpersonal relationships, and is unfamiliar with the health and welfare agencies available in the community.

FUNDATIONS IN COUCEPATIONAL HEALTH HE SING HEIRE SUPERVISORY ASSISTANCE WOULD BE HELFFUL

functions	
Administoring subryshey treatment	
Frevention, control-injuries hazards, safety	
Records and reports maintence	
selection of supplies equipment literature, etc.	
Health examinations and inspections	
Individual and group counsuling	

Number of Nurses

CALFFE IV

STREET AND CONCLUSIONS

This study considers the educational proparation and experience of compational health nurses employed by the Army within the Fifth United States Army Area, and whether they feel the need for some type of supervisory assistance.

Conclusions

The majority of the surcest employed have only diploma level surring education and a limited amount of experience to propose them for the field of eccupational health marsing. Although some type of sureing supervision is being received by most of the negroes, such supervision is not given by surses qualified in the field of eccupational health sursing or public health sursing.

Next of the respondents do not seem interested in having nursing expervision or are unsure about receiving expervisory assistance. These nurses interested in such a service seem to have some reservations about the possibility of it being a police type of action, expecially if the service is given by the Army health nurse.

The area where the eccupational health nurse feels that supervisory assistance would be most helpful in in the administering

of emergency treatment.

At all but one installation a physician is either present full-time or is readily available to the nurse by telephone.

Recommedations

- 1. That a yearly short-course be given by the Army for a selected number of ecoupational health nurses to acquaint them with their functions, and to effor them some basic concepts of ecoupational health nursing.
- 2. The Army Regulation 40-557, Occupational Health Service of the Army, dated 19 Nevember 1956, paragraph 7, regarding qualifications of personnel employed be changed to read, "a registered graduate nurse, preferably one with public health or occupational health nursing preparation and/or experience."
- 3. That a technical manual (comparable to the Army Health Furses' Manual) be prepared by Army employed occupational health nurses and distributed to these installations having an ecompational health program.
- 4. That any in-service educational programs conducted at installations with an eccupational health program include instruction in emergency treatment.
- 5. That a list of these companies and organizations offering free health educational literature be distributed to all occupational health murses.
- 6. That in the future, if Army health murses are assigned to the staff of the Army Area Surgeon, that their duties include acting in the expectty of consultants to those installations having

should determine if a numicipal or state ecoupational health mursing consultant is available.

7. That any future studies done in this area, particularly if via mil questionnaires, not use the term supervision. The writer feels that this word may have evoked some resistance or misunderstanding on the part of the respondents in this study.

APPENDIX

School of Public Scalth University of Minnesota Minnesota 14, Minnesota

February, 1961

Dear Cormational Realth Parcet

At the present time I am empelled as a graduate student in the School of Pablic Health, University of Minnesota, where one of the requirements for completion of graduate work is a small research study.

As you probably know, the Army has provided an ecompational health service for Army installations employing civilians since early in World War II. Teday there are ever two hundred occupational health nurses employed by the Army throughout the United States, and the number seems to be steadily in-

I am sending the following questionnaire to each civilian occupational health nurse in the Fifth United States Army in the hope of learning semething of nursing background, experience, and interest in having nursing supervisory service available.

I would be most grateful if you would fill out and return the enclosed questionnaire,

Sincerely yours,

Ruth A. Leeke Omptain ANO Army Mealth Nurse

1.	Americane.			
	1.	Length of time employed by the Army as an occupational		
		zerse years,		
	2.	Length of time employed in the field of secupational		
		health nursing by civilian or commercial organisation		
		years.		
	3.	Other kinds of marsing experience.		
		a. Rospital nursing years.		
		(1) Last position held. Staff(%) Headmarse		
		(5) Supervisor(6)		
		b. Public health nursing years.		
		(1) Last position held, Staff(2)		
		Supervisor(3)		
		(2) Type of public health agency employing you.		
		Private agency (1) Official agency (2)		
		Other agency (3)		
		c. Other types of nursing experience.		
11.	To	determine if you are responsible to a physician who is		
	ful	1-time or part-time.		
	1.	Are you responsible to a civilian physician? Yes(4)		
		He(5)		
		a. Is the civilian physician employed by the Army full-		
		time(1) er part-time(2)		
		b. If the physician is part-time, is it approximately?		
		Check one		
		(3) & fave per mak. () (5)		

(2) 3 days per week. () (6)
(3) 2 days per week. () (7)
(h) 1 day per week. () (f)
(5) Less than 1 day per week. () (9)
e. If the physician is not employed full-time, is he
readily available by phone? Yes(1) Ho(2)
2. If question 1 does not apply, are you responsible to an
Army physician? Yes(3) No(4)
a. Is the Army physician readily available by phone?
Tes(5) We(6)
3. Be you have standing orders? Yes(7) No(8)
a. Are standing orders revised yearly? Yes(1) He(2)
b. Are standing orders signed by a physician?
Yes(3) No(4)
III. To determine if there is a plan for nursing supervision
and the source of such supervision.
Directions: Please shock statement that applies to your
situation and complete questions under the statement.
1. Do you have regular nursing supervisient Yes(1) Ne(2)
If yes, check a, b, c, or d.
a. Mursing supervision by Compational Health Furse:
Ampervisor employed by Army. ()(3)
b. Warsing supervision of Army Chief of Mursing Service
at local Army Hospital or Disponency. () (4)
(1) Proquency of Chief Murse's visits to your office
or dispensary? Weekly(5) Nonthly(6) Other(7)

		(2) is the available so you by phenor res(8)
		¥o(9)
		e. Furning supervision by Army Realth Surse at your
		installation or in your Army area. () (1)
		(1) Frequency of Army Monalth Murse's visits to
		your office or dispensery? Weekly(1)
		Neathly (2) Other (3)
		(2) Is the available to you by phone? Yes(1)
		¥ ₀ (2)
		d. Eursing supervision from source other than mentioned
		&\$6V4
	2.	Have you had any contact with an Occupational Sureing
		Consultant employed by a state department of health or
		a city department of health? If so, describe nature of
		contact
		(\psi)
	3.	Do you know if the state department of health employs
		such a consultant? Yes(5) Fo(6)
•	9 0.4	etermine if you feel mursing supervision would be helpful
• • •		
		by whom it should be given.
		Do you feel that seme mursing supervision would be of
		help to you in carrying out your program? Tes(1)
		Wo(2) Wot sure(3)
		a. Hursing supervisies would be especially helpful in
		helping me perform the following functions:
	Dir	ctions: Please check 1 through 13. Indicating by 1 most

	imbarrous' a next meat imbarrous uper so	₩.		
(1)	Maintenance of records and reports,	()	(1)
(2)	Participation in the colection of			
	supplies, equipment, reference books			
	and literature.	()	(2)
(3)	Maintenance of a precedure manual			
	including standing orders.	()	(3)
(<i>ħ</i>)	Participation in the prevention and			
	control of injuries and eccupational			
	disease hasards; safety education	()	(4)
(5)	Health examinations and inspections.	()	(5)
(6)	Individual and group health counseling.	()	(6)
(7)	Supervision of absences due to illness.	()	(7)
(8)	Home visiting.	()	(8)
(9)	Referrals to private physicians.	()	(9)
(10)	Referrals to local civilian health			
	and welfare agencies,	()	(0)
(11)	Administering emergency treatment,	()	(1)
(12)	Follow-up on componention injuries			
	and nemoccupational conditions.	()	(5)
(13)	Periodic study of sick leave data			
	and making recommendations for re-			
	duction in sick leave recorded for			
	installation.	()	(3)

2. If your answer to question number one was yet, would you prefer to have this supervision from the Army

Z.	(continued)		
	Health Hurset Tes(1) Other source (specify))	(2)
24	cational level of civilian registered nurses emp		
	y Cocupational Wealth Marson.	•••	
	estions: Check highest level attained.		
	Three year diploma school	() (1)
	Three year diploma school plus extra	•	, , , ,
e .	•) (1)
	college credits,	`	/ (2/
	a. Less than 30 semester credit hours (about	,	\
	ene year)) (1)
	b. 30 or more semester credit hours.	() (2)
	c. Check if any of the above were in a		
	college or university having III approved		
	preparation for public health narring.	() (3)
3.	Baccaleureate Bagree.	() (1)
	a. Collegiate program (approximately 4 years)	() (2)
	(If you check a, check either (1) or (2) als	30)	
	(1) Including WW approved public health		
	preparation.	() (3)
	(2) We public health preparation.	() (4)
	b. Degree earned after R.H. (check either		
	(1) er (2) also)	() (1)
	(1) Plus public health preparation.	() (2)
	(2) We public health preparation.) (3)
		-	

۱.	070	dunte degree, mester's level. (If you sheet	K		
	h,	thank a or b also)	()	(1)
	۵.	Public health.	()	(2)
	١.	Persing Memerica or Administration.	()	(3)
		(1) Including public health preparation.	()	(4)
		(2) To sublic health supposed on	()	(5)

700 University Ave., ## Minnespolis 14, Minnesota 15 January 1961

14. Colempi Theirs Hume, AND Chief Hurse Hendquarters, 5th United States Anny Chicago 15, Illinois

Peny Golemel Munn,

As you perhaps know I am envolled as a graduate obtdent in the School of Public Health, University of Minnesota, where one of the requirements for completion of graduate work is a small study.

I would like to have the necessary permission to conduct a curvey, via a mail questionnaire, of the civilian occupational health nurses employed at Army installations within the Fifth Army.

I hope to determine their academic proparation, professional experience, nursing supervision received, source of such supervision and which aspects of her job the compational nurse would find supervision helpful.

I have discussed this curvey study with Major Fisher, Army Monlth Nurse, the Surgeon Senerals Office. It was she who suggested it might be worthwhile to conduct such a survey.

Macerely years,

Buth A. Locke Capt. AND

700 University Ave., SE Minnespelis 14, Minnesota 25 January 1961

Lt. Colonel Thelms Numm, ANG Chief, Nursing Division Office of the Army Surgeon Mg. Fifth United States Army 1500 Nest Myde Park Boulevard Chicago 15, Illineia

Released is the questionnaire I intend to use for the survey of eccepational health nurses in Pifth Army. I have tried to limit the questions to professional aspects. I my still polish the working sens, but I will not change the content.

I had planned on sending a copy of the completed survey to TSSO. I will be glad to send a copy to your effice also.

It was my intention to send the questionnaire to each nurse through the United States Mail, Last fall 7880 sent me a complete list of all installations in the U.S. employing occupational health nurses. They were unable to give me names of individual nurses, but I think the complete address of the dispensary will be enough.

Sincerely,

Rath A. Looks Captain AFC

October 20, 1960

Major Mercedes K. Fischer, ANC Proventive Medicine Division Mandquarters, Department of the Army Office of the Surgeon General Watington 25, D.O.

Bear Major Fischer:

Dr. Nurphy, Professor of Public Health Nursing, and I discussed the possibility of my exploring some portion of the area regarding civilian occupational health nurses employed at Army industrial plants as partial fulfillment of the requirements for the Master of Public Health degree.

It is, of course, necessary to know where these murses are located. Is there a list available of installations within the Continental Command employing such murses? If such a list is available, may I have a copy?

I would also appropriate a list of Army installations, by Army area, within the United States, and also a rester of installations having Army Health Furees.

I would appreciate any other information you might feel would be helpful.

Sincerely yours.

Ruth A. Leeke Gaptain AND Apartment 407 700 University Ave., 5.2. Minnespelis, Minnesota

- Pifth U. S. Army Dispensary, U. S. Army Ordhanne. Ropot, Stone Sidney, Robraska
- U. S. Army Dispensary, U. S. Army Ordnance Dupet, Savenna, Illinois
- Detroit Ordnance District, Detroit 11, Illinois
- U. S. Army Dispensary Pasble Ordnance
 Depot
 Pasble, Colorade
- U. S. Army Dispensary Chicago Administration Center, 1819 West Pershing Road Chicago 9, Illinois
- U. S. Army Dispensary, Army Ordnance, Jeliet Joliet, Illineis
- Ohioago Ordnance District, 623 South Mabach Avenue Chicago 5, Illinois
- U. S. Army Dispensary, Rock Island Arsenal Rock Island, Illineis
- U. S. Army Hospital
 Black Hills Igleo, South Dakota
- U. S. Army Dispensary
 U. S. Army Ordnance Arsenal
 Detroit Center Mane, Michigan
- Fitzsimons General Hospital Denver, Gelerade
- U. S. Army Dispensary Oranite City Regineer Deput Oranite City, Illinois
- U. 8. Army Corps of Magineers Chicago Procurement Office Chicago, Illinois
- U. S. Army Dispensary
 Kansas City Records Center
 Kansas City, Hissouri

Pine Bluff Areenal, Arteness

United States Army Mospital Fort Leavenworth, Kansas

Detroit Ordnance District (Repeat)

Rocky Mountain Areenal Benver, Colorado

U. S. Army Dispensary

Decatur Signal Depot

Decatur, Illinois

U. S. Army Support Center Chicago, Illihois

U. S. Army Respital (Ne murse)
Fort Leonard Wood, Missouri

U. S. Army Dispensary St. Louis, Missouri

Dispensary, Finance Center
U. S. Army
Indianapolis 49, Indiana

U. S. Army Dispensary
Fort Sheridan, Illinois

U. S. Dispensary Fort Wayne Detroit 17, Michigan

Total: Fifth Army Area - 53

700 University Ave., S.R. Minnespelie 14, Minnesota 13 February 1961

It. Golomel Richard Phillips, NG US Army Environmental Health Agent The Assay Chemical Genter Edgewood, Maryland

Bear Colonel Phillips:

I am a graduate student in the School of Pablic Health, University of Minneseta, where one of the requirements for dempletion of graduate work is a small study.

I am mending a mail questionnaire to the sivilian occupational health nurses in the Fifth United States Army in the hope of learning something of their nursing experience, academic background, functions and interest in having nursing supervisory service available.

It has come to my attention that a short course in Cooupational Health Service was conducted in January 1961. If pessible, I would be interested in learning what mureing content was contained in the course.

I would appreciate any information that might be available.

Sincerely,

Ruth A. Locke Captain ANO Army Health Nurse

BIBLIOGRAPHY

Beeks

Brown, Kary Louise. Occupational Realth Fursing. New York: Springer Publishing Company, Inc., 1956.

Articles

- Brand, Morris. "That Labor Expects from Industrial Nurse,"

 <u>Fursing Outlook</u>, April, 1956, pp. 226-229.
- Dolan, Margaret B. "Employment Opportunities for Surses," <u>Hursing</u>
 Outlook, April, 1961, pp. 225-226.
- Felton, Jean S. "Educational Frends in Industrial Nursing,"
 <u>Nursing Outlook</u>, November, 1957, pp. 655-675.
- Menriksen, Meide L. "A Memorandum to Professional Mursing from Plant Murses," Mursing Outlook, Movember, 1960, pp. 612-613.
- Kiutas, Edna May. "A Guide that Leads to a Goal," <u>Hursing Outlook</u>, September, 1950, pp. 527-529.
- Steels, Margaret L. *The Difference in Industrial Mursing, Mursing Outlook, April, 1961, pp. 234-235.

Reports

- American Nurses' Association, Functions, Standards and Qualifications for Quemetional Health Furses, 1958.
- Smith, Emily Myrtle. "Occupational Health Integration in the Tale School of Mursing, "League Exchange No. 1, National League Of Mursing Muscation, New York: 1952.
- U.S. Department of Health, Education, and Welfare, Public Health Service. Small Plant Health Programs, a Bibliography. Washington: 1951.

- U.S. Department of Health, Minostien, and Velfare, Public Health Service. The Legal Health Officer in Occupational Health. Vachington: 1959.
- U.S. Department of Health, Education, and Volfare, Public Health Service. <u>Burnes in Public Health</u>. Washington: 1960.

Mannals

- Manual for Army Health Hurson, Tochnical Hanual 5-272, Headquarters Department of the Army, November, 1959.
- Operational Health Service Guide, United States Army Navironmental Health Laboratory, April, 1958.
- United States Army Installations and Major Activities in the Centinental United States, Mondquarters, Department of the Army, May, 1960.

Army Reculations

Occupational Monith Service of the Army, Army Regulation 40-557, Department of the Army, Movember, 1956.